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Abstract of the Disclosure

A stator with a radial winding and a method for manufacturing such a stator provides a plurality of pole plates made of a magnetically conductive material. Each pole plate comprises a hub and at least two poles extending radially outward from the hub. The poles are spaced by an identical angular interval. Each pole has a distal end with a magnetic pole face. A metal wire is wound around the poles of the pole plates, thereby forming a pole plate assembly. At least two of the pole plate assemblies are assembled together with the poles of the pole plate assemblies disposed alternately.

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